

M21B Education

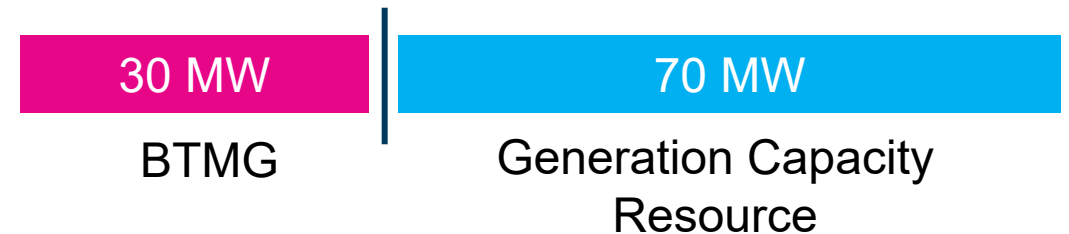
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Resource Adequacy Planning
Planning Committee
Oct. 6, 2026

Disclaimer: While materials are current at the time of publishing, applicable requirements may change. PJM Governing Documents control.

"Behind The Meter Generation" shall refer to a generating unit that delivers energy to load without using the Transmission System or any distribution facilities (unless the entity that owns or leases the distribution facilities has consented to such use of the distribution facilities and such consent has been demonstrated to the satisfaction of the Office of the Interconnection); provided, however, that Behind The Meter Generation does not include (i) at any time, any portion of such generating unit's capacity that is designated as a Generation Capacity Resource, or (ii) in any hour, any portion of the output of such generating unit that is sold to another entity for consumption at another electrical location or into the PJM Interchange Energy Market.



100 MW



Sept. 2020

April. 2021

Oct. 2021

Problem Statement/Issue Charge

Introduced for Behind The Meter
Generation Business Rules on
Status Changes

M14G Redlines introduced at
Special MIC Session

MRC Approval Date M14G
Effective Date

Stakeholder process was intended to review the timing of status changes and align with the RPM Auction structure including the Must Offer Requirement and the removal from Generation Capacity Resource status process prior to the auction

- At the April 30, 2021 meeting PJM presented “Proposed Updates “Designate Capability as Generation Capacity Resource and/or Energy Resource” Area”
- Introduced the M14G language which defined behind the meter load

1.6.1 ~~BtMG~~ Interconnection Requests

Any Behind the Meter Generation that desires to be designated, in whole or in part, as a Capacity Resource or Energy Resource must submit a Generation Interconnection Request. (Tariff at Part VI, in Section 36.1.01 – formerly Subpart A at 36.1A, in Part IV)

The maximum behind the meter load that the facility is expected to support is to be provided in the New Services Request. The behind the meter load is the sum of station service and auxiliary loads used to support operation of the facility and any host/process loads to be served behind the point of interconnection.

The Capacity Interconnection Rights requested in the New Services Request should take into consideration the station service and auxiliary loads used to support the operation of the facility, in addition to the host/process loads that the facility also serves behind the point of interconnection, in accordance with Manual 21: Rules and Procedures for Determination of Generation Capability. The Capacity Interconnection Rights requested in the New Services Request may not be greater than the gross generator output of the facility less station service and auxiliary loads less the maximum host/process loads that the facility is expected to serve.

The Maximum Facility Output requested in the New Services Request is the gross generator output less station service and auxiliary loads less the minimum host/process loads that the facility is expected to serve.

- Add language to define behind the meter load and clarify treatment of behind the meter load in New Services Request.

- Final MRC Presentation on 10/20/2021 which outlined the changes to M14G

- Ensure consistency with Behind the Meter Generation definition in the OATT (Section 1.6)
- Clarify information required in interconnection request to designate capability as Generation Capacity Resource and/or Energy Resource (Section 1.6.1)
 - List information required in New Services Request for a BTMG unit
 - Define behind the meter load
 - Clarify determination of maximum host/process loads
 - Clarify determination of Maximum Facility Output (MFO)
 - Refer to M21 for determination of station service and auxiliary loads and Capacity Interconnection Rights (CIRs)
 - Clarify CIRs requested shall not be greater than gross generator output less station service and auxiliary loads less the maximum host/process loads that facility is expected to serve

- M14G Revision 7 (10/20/2021)
 - The following sections were updated to clarify and more adequately document processes related to Behind the Meter Generation business rules on status changes:
 - Section 1.6 - Updated terminology to ensure consistency with the Behind the Meter Generation definition in the OATT.
 - Section 1.6.1 - Updated to clarify information required in generation interconnection request to designate capability as Generation Capacity Resource and/or Energy Resource.



BTMG & M14G History: Redlines

1.6.1 BtMG Interconnection Requests

Any Behind the Meter Generation that desires to be designated, in whole or in part, as a Capacity Resource or Energy Resource must submit a Generation Interconnection Request. (Tariff at Part VI, in Section 36.1.01 – formerly Subpart A at 36.1A, in Part IV)

The New Services Request shall include (1) the type and size of the load located (or to be located) at the site of the generation facility; (2) a description of the electrical connections between the generation facility and the load; and (3) the amount of the facility's generating capacity for which the Interconnection Customer seeks Capacity Interconnection Rights or that will be an Energy Resource.

The behind the meter load is the sum of station service and auxiliary loads used to support operation of the facility and any host/process loads to be served behind the point of interconnection. The behind the meter load provided in the New Services Request shall be the sum of the station service and auxiliary loads and the maximum host/process loads to be served behind the point of interconnection.

Station service and auxiliary loads used to support operation of the facility should be commensurate with those experienced coincident with the most recent 15 years PJM summer peaks (i.e. under summer conditions) in accordance with Manual 21: Rules and Procedures for Determination of Generation Capability, Section 1.2.

For new host/process loads to be served behind the point of interconnection, the maximum hourly integrated host/process load is to be estimated. For existing host/process loads, the maximum hourly integrated host/process load that occurred during the most recent 36 months is to be determined.

The Maximum Facility Output requested in the New Services Request is the gross generator output less station service and auxiliary loads less the minimum host/process loads that the facility is expected to serve. Of the Maximum Facility Output, the MW of capability requested to be designated as Energy Resource and MW of capability requested to be designated as Generation Capacity Resource (i.e., Capacity Interconnection Rights) is to be provided in the New Services Request.

The Capacity Interconnection Rights requested in the New Services Request are to be determined in accordance with Manual 21: Rules and Procedures for Determination of Generation Capability, Section 1.1. The Capacity Interconnection Rights requested in the New Services Request may not be greater than the gross generator output of the facility less station service and auxiliary loads less the maximum host/process loads that the facility is expected to serve.

- Final MRC Presentation on 10/20/2021 which outlined the changes to M14D
- Includes process to change the MW designation and restrictions on netting against load

- Updates to BTMG business rules on status changes that address the following areas
 - Designating Capability as Generation Capacity Resource and/or Energy Resource
 - Participation in PJM Load Response
 - Load Impacts
 - Performance Obligation Impacts
 - Miscellaneous updates

- Revision 57 (10/20/2021):
 - Appendix A, Behind the Meter Generation Business Rules
 - Documented the processes related to designating capability as Generation Capacity Resource and/or Energy Resource
 - Clarified options for BTMG to participate in PJM Load Response and process to indicate a Behind the Meter Generation unit is participating in PJM Load Response
 - Clarified the load impacts due to Behind the Meter Generation status changes
 - Clarified the performance obligation impacts due to Behind the Meter Generation status changes
 - Administrative updates – added section headings and corrected references to business rule numbers

New Interconnection Request

	Definition	New Gen
Gross MW	Total Unit Output	100
Aux Load	Load MW commensurate with load expected during the 15 year summer peak avg (M14h points to M21)	5
Station Service Load	Load MW commensurate with load expected during the 15 year summer peak avg (M14h points to M21)	5
Host/Process Load Min*	Minimum load expected to serve	15
Host/Process Load Max	New Load: Maximum load expected to serve Existing Load: Maximum load served in prior 36 months	30
MFO	Gross Mw – Aux Load – Stations Service Load – Host/Process Load Min	75
CIR	Gross Mw – Aux Load – Stations Service Load – Host/Process Load Max	60

*Term added to help clarify difference between MFO and CIR for host load

Existing Unit Request Process

Increase BTML

Submit Capacity Removal Status

- Reduces ICAP
- Removes CIRs after 1 year

Decrease BTML

Submit Interconnection Request

- Specify New Expected Load Level
- Get Studied for Higher CIR

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PJM Manual 21B: Education



Member Hotline

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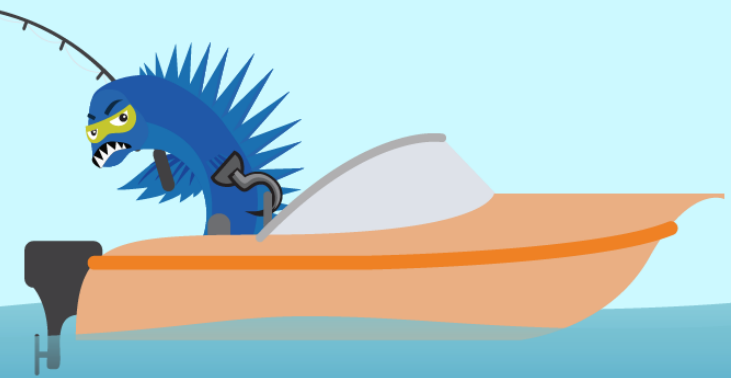
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EMAILS**



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